

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	180.00
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Complete if Known

Application Number	09/928,047
Filing Date	August 10, 2001
First Named Inventor	Thomas L. CANTOR
Examiner Name	D. Jiang
Art Unit	1646
Attorney Docket No.	532212000200

METHOD OF PAYMENT (check all that apply)

<input type="checkbox"/>	Check	<input type="checkbox"/>	Credit Card	<input type="checkbox"/>	Money Order	<input type="checkbox"/>	Other	<input type="checkbox"/>	None
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☒ Deposit Account:

Deposit
Account
Number

03-1952

Deposit
Account
Name

Morrison & Foerster LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below	<input checked="" type="checkbox"/>	Credit any overpayments
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<input checked="" type="checkbox"/>	Charge any additional fee(s) or any underpayment of fee(s)
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Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

	Large Entity	Small Entity
1. Revenue Recognition	Revenue is recognized when the performance obligation is satisfied, which is when control of the goods or services is transferred to the customer.	Revenue is recognized when the performance obligation is satisfied, which is when control of the goods or services is transferred to the customer.
2. Leases	Leases are classified as either finance leases or operating leases. Finance leases are accounted for as sales, while operating leases are accounted for as rentals.	Leases are classified as either finance leases or operating leases. Finance leases are accounted for as sales, while operating leases are accounted for as rentals.
3. Intangible Assets	Intangible assets are recognized when they are identifiable and have a measurable value. They are amortized over their useful life.	Intangible assets are recognized when they are identifiable and have a measurable value. They are amortized over their useful life.
4. Goodwill	Goodwill is recognized as the excess of the purchase price over the fair value of the identifiable intangible assets. It is tested for impairment annually.	Goodwill is recognized as the excess of the purchase price over the fair value of the identifiable intangible assets. It is tested for impairment annually.
5. Research and Development	Research and development costs are expensed as incurred.	Research and development costs are expensed as incurred.
6. Stock-Based Compensation	Stock-based compensation is measured at the fair value of the equity instrument at the time of the grant.	Stock-based compensation is measured at the fair value of the equity instrument at the time of the grant.
7. Derivatives	Derivatives are recognized at fair value and are measured at the fair value of the instrument at the time of the grant.	Derivatives are recognized at fair value and are measured at the fair value of the instrument at the time of the grant.
8. Financial Instruments	Financial instruments are recognized at fair value and are measured at the fair value of the instrument at the time of the grant.	Financial instruments are recognized at fair value and are measured at the fair value of the instrument at the time of the grant.
9. Income Taxes	Income taxes are recognized as a liability when they are payable in the current period.	Income taxes are recognized as a liability when they are payable in the current period.
10. Other	Other accounting standards and practices that apply to large entities.	Other accounting standards and practices that apply to small entities.

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)	(\$)	0.00
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	<input type="text"/> -20** =	<input type="text"/>	x <input type="text"/>	= <input type="text"/>
Independent Claims	<input type="text"/> -3** =	<input type="text"/>	x <input type="text"/>	= <input type="text"/>
Multiple Dependent				= <input type="text"/>

Large Entity	Small Entity
<p>1. Revenue Recognition</p> <p>Large entities use the percentage-of-completion method, which recognizes revenue and profit as the project progresses. This method requires estimating the total project cost and revenue at the start and then recognizing a proportionate share of each as work is completed.</p> <p>Small entities typically use the cost-of-sales method, which recognizes revenue only when the project is completed. This method is simpler but can result in a large swing in income when the project is finished.</p>	<p>1. Revenue Recognition</p> <p>Small entities use the cost-of-sales method, which recognizes revenue only when the project is completed. This method is simpler but can result in a large swing in income when the project is finished.</p>
<p>2. Asset Valuation</p> <p>Large entities use the lower of cost or market rule, which requires valuing inventory at the lower of its historical cost or its current market value. This method is more complex but provides a more accurate picture of the company's financial position.</p> <p>Small entities typically use the cost method, which values inventory at its historical cost. This method is simpler but can result in an overstatement of inventory value if the market value has declined.</p>	<p>2. Asset Valuation</p> <p>Small entities use the cost method, which values inventory at its historical cost. This method is simpler but can result in an overstatement of inventory value if the market value has declined.</p>
<p>3. Liability Recognition</p> <p>Large entities use the accrual basis of accounting, which recognizes liabilities when they are incurred, regardless of when they are paid. This method is more complex but provides a more accurate picture of the company's financial position.</p> <p>Small entities typically use the cash basis of accounting, which recognizes liabilities only when they are paid. This method is simpler but can result in an understatement of liabilities if they are incurred but not yet paid.</p>	<p>3. Liability Recognition</p> <p>Small entities use the cash basis of accounting, which recognizes liabilities only when they are paid. This method is simpler but can result in an understatement of liabilities if they are incurred but not yet paid.</p>

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	88	2201	44	Independent claims in excess of 3
1203	300	2203	150	Multiple dependent claim, if not paid
1204	88	2204	44	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	(\$)	0.00
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**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity
<p>1. Revenue Recognition</p> <p>Large entities use the percentage of completion method for long-term contracts, recognizing revenue as work progresses. Small entities often use the cost of sales method, recognizing revenue only when the contract is completed.</p>	<p>1. Revenue Recognition</p> <p>Small entities typically use the cost of sales method for long-term contracts, recognizing revenue only when the contract is completed.</p>
<p>2. Inventory Valuation</p> <p>Large entities use the FIFO (First In, First Out) method for inventory valuation. Small entities may use the LIFO (Last In, First Out) method, which can provide a tax advantage in periods of rising prices.</p>	<p>2. Inventory Valuation</p> <p>Small entities may use the LIFO (Last In, First Out) method for inventory valuation, which can provide a tax advantage in periods of rising prices.</p>
<p>3. Depreciation</p> <p>Large entities use the MACRS (Modified Accelerated Cost Recovery System) for depreciation. Small entities may use the straight-line method for depreciation.</p>	<p>3. Depreciation</p> <p>Small entities may use the straight-line method for depreciation.</p>
<p>4. Lease Accounting</p> <p>Large entities use the ASC 842 (Leases) for lease accounting. Small entities may use the ASC 840 (Leases) for lease accounting.</p>	<p>4. Lease Accounting</p> <p>Small entities may use the ASC 840 (Leases) for lease accounting.</p>
<p>5. Goodwill Impairment</p> <p>Large entities use the ASC 350 (Intangible Assets) for goodwill impairment testing. Small entities may use the ASC 350 (Intangible Assets) for goodwill impairment testing.</p>	<p>5. Goodwill Impairment</p> <p>Small entities may use the ASC 350 (Intangible Assets) for goodwill impairment testing.</p>

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge – late filing fee or oath	
1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1401	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive – unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid	SUBTOTAL (3)	(\$)	180.00
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SUBMITTED BY

Name (Print/Type)	Peng Chen
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Registration No. (Attorney/Agent)	43,543
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(Complete (if applicable))

Telephone	(858) 720-5117
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Signature

Date	October 26, 2004
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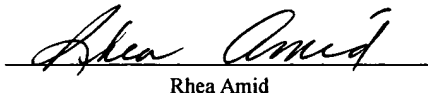
PATENT
Docket No. 532212000200

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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Date of Deposit: October 26, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Rhea Amid

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Thomas L. CANTOR

Serial No.: 09/928,047

Filing Date: August 10, 2001

For: CYCLASE INHIBITING
PARATHYROID HORMONE
ANTAGONISTS OR MODULATORS
AND OSTEOPOROSIS

Examiner: D. Jiang

Group Art Unit: 1646

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS AF
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. A copy of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

10/28/2004 MAHMED1 00000005 031952 09928047

01 FC:1806 180.00 DA

sd-218529

The documents listed on the attached Form PTO-1449 were cited in an International Search Report (copy attached) mailed on July 26, 2004 directed to a counterpart international or foreign application. A certification under 37 C.F.R. § 1.97(e)(1) follows:

I hereby certify that each item of information was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☐ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☒ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of ___ is enclosed.
 - ☒ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

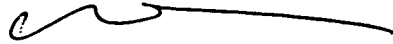
The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **532212000200**. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: October 26, 2004

Respectfully submitted,

By: _____


Peng Chen
Registration No. 43,543

Morrison & Foerster LLP
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Suite 500
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Facsimile: (858) 720-5125

Form PTO-1449

Docket Number 532212000200

Application Number 09/928,047

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Thomas L. CANTOR

Filing Date August 10, 2001

Group Art Unit 1646

Mailing Date October 26, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	1.	Chorey et al., Biochemistry (1990) 29:1580-1586
	2.	Hoare et al., Journal of Biological Chemistry (2000) 275(35):27274-27283
	3.	International Search Report for PCT/US02/25348, mailed on 26 July 2004, 4 pages
	4.	Jonsson et al., Endocrinology (2001) 142(2):704-709
	5.	Pausova et al., Mammalian Genome (1995) 6:408-414
	6.	Takasu et al., Journal of Bone Mineral Metabolism (1994) 12(Suppl.1):S131-S134
	7.	Yu et al., Endocrinology (1997) 138(8):3085-3092

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.